

Panel wire

H05Z-K 300/500 V



Application

Halogen-free, fire retardant, flexible hook-up wire for connection to machines, machine systems, cabinets etc.

Approval

CE

Flame retardance

IEC 60332-1-2 - Vertical flame propagation for a single insulated wire or cable

Feature

Heavy regulation SB 2001:6 - Current in free air

Standard

UNE 21027-9
AENOR
HD 22.9 S2
OR 56,10,00
IEC 60332-3-24

EN 50267-2-1
IEC 60.754-1
EN 61034-2
EN 502567-2-2
IEC 60754-2

NFC 20453
BS 6425-2
Marine approval certificate 11376/CO BV

Construction standard

Construction standard
Construction standard
Tests on electric and optical fibre cables under fire conditions. Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category C
Halogen free material

Material Standard
Material standard
Test on gases evolved during combustion of electrical cables. Part 2: Determination of degree of acidity of gases evolved during the combustion of materials taken from electric cables by measuring pH and conductivity.
Material Standard
Material standard
Material standard

Construction

Cable Shape
Conductors
Conductor Insulation

Round
Copper Cl. 5 acc. to IEC 60228
Halogen-free polymer, heat resistant type IE5 acc. to UNE 21027-9

Temperature

Maximum operating Temperature max. 90°C
Minimum operating Temperature for cable type min. - 40°C
[°C]
Temperatures at installation [°C] min. -40°C to 75°C

Features

Bending radius $D \leq 8 \text{ mm} : 4 \times D, 8 < D \leq 12 \text{ mm} : 5 \times D, 12 < D \leq 20 \text{ mm} : 6 \times D$
REACH/SVHC declaration In compliance with REACH
RoHS declaration In compliance with RoHS
Homologation & Certification Bureau Veritas acc. to IEC 60092 Certificate no. : 11376/CO BV

Electrical

Test Voltage [kV] 2 kV AC

Conductors and screen area [mm ²]	Outer Sheath Colour	Diameter over sheath [mm]	Cable weight [kg/km]	DC Resistance at +20°C [Ω/km]	Delivery Package	EAN/GTIN number	Max current load in air [A]
1x0,5	White	2,3	10	39	S200	8430220453119	9
1x0,5	Pink	2,3	10	39	S200	8430220453331	9
1x0,5	Violet	2,3	10	39	S200	8430220453232	9
1x0,5	Light blue	2,3	10	39	S200	8430220453003	9
1x0,5	Orange	2,3	10	39	S200	8430220453416	9
1x0,5	Blue/White	2,3	10	39	S200	8430220453584	9
1x0,5	Red	2,3	10	39	S200	8430220453171	9
1x0,5	Brown	2,3	10	39	S200	8430220453287	9
1x0,5	Black	2,3	10	39	S200	8430220452549	9
1x0,5	Pink/White	2,3	10	39	S200	8430220453553	9
1x0,5	Red/White	2,3	10	39	S200	8430220453515	9
1x0,5	Grey	2,3	10	39	S200	8430220453379	9
1G0,5	Yellow/Green	2,3	10	39	S200	8430220452808	9
1x0,75	Black	2,5	12	26	S200	8430220452556	12
1x0,75	Light blue	2,5	12	26	S200	8430220453010	12
1x0,75	Red	2,5	12	26	S200	8430220453188	12
1x0,75	White	2,5	12	26	S200	8430220453126	12
1x0,75	White	2,5	12	26	T500	8430220453133	12
1x0,75	Orange	2,5	12	26	S200	8430220453423	12
1x0,75	Violet	2,5	12	26	S200	8430220453249	12
1x0,75	Blue/White	2,5	12	26	S200	8430220453591	12
1x0,75	Dark blue/White	2,5	12	26	S200	8430220096194	12
1x0,75	Pink/White	2,5	12	26	S200	8430220453560	12
1x0,75	Pink	2,5	12	26	S200	8430220453348	12
1x0,75	Dark blue	2,5	12	26	S200	8430220453676	12
1x0,75	Dark blue	2,5	12	26	T500	8430220453683	12
1x0,75	Red/White	2,5	12	26	S200	8430220453522	12
1G0,75	Yellow/Green	2,5	12	26	S200	8430220452815	12
1x0,75	Brown	2,5	12	26	S200	8430220453294	12
1x0,75	Blue	2,5	12	26	T500	8430220453638	12
1x1	Black	2,7	15	19,5	S200	8430220452570	15
1x1	Light blue	2,7	15	19,5	S200	8430220453027	15
1x1	White	2,7	15	19,5	S200	8430220453140	15
1x1	Blue/White	2,7	15	19,5	S200	8430220453607	15
1x1	Red	2,7	15	19,5	S200	8430220453201	15
1x1	Violet	2,7	15	19,5	S200	8430220453256	15
1x1	Brown	2,7	15	19,5	S200	8430220453300	15
1x1	Pink	2,7	15	19,5	S200	8430220453355	15
1x1	Grey	2,7	15	19,5	S200	8430220453393	15
1x1	Orange	2,7	15	19,5	S200	8430220453430	15
1x1	Red/White	2,7	15	19,5	S200	8430220453539	15
1x1	Pink/White	2,7	15	19,5	S200	8430220453577	15
1x1	Blue	2,7	15	19,5	S200	8430220453645	15
1x1	Dark blue	2,7	15	19,5	S200	8430220453690	15
1G1	Yellow/Green	2,7	15	19,5	S200	8430220452822	15